

May 9 2018, 4:29:05 pm

**MY WEATHER STATION, BY DIMITRIS**

Location: Peristeri of Athens, Greece  
 Position: 38° 00.58' NORTH / 23° 42.04' EAST  
 Elevation: 63 meters  
 contact me at [meteo@otenet.gr](mailto:meteo@otenet.gr)



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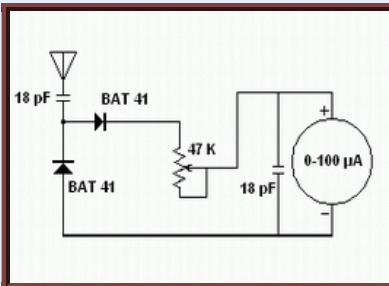
About

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**RF field strength meter version 1.**

I made a RF simple field strength meter for test the remote control from doors ,alarm e.t.c at frequency VHF-UHF, i used one  $\mu$ A meter ,2 diodes ,2 ceramic capacitors,a potentiometer,a box ,and one telescopic antenna.When press the button at remote control,output there is small current RF,where with this simple circuit ,easy i can to know if remote controls it work or no.

Here it is the electronic design



Here it is the electronic material,without yet the potentiometer 47 Kohm, 2 capacitor 18 pF,2 diodes BAT 41,and a  $\mu$ A meter



Here it is the plastic box,i have open holes for  $\mu$ A meter ,and i have touch the telescopic antenna



Here with soldering iron the components it is ready



Here it is the sensitivity test



Here it the test with remote temperature /humidity sensor



It is ready



Ready with full open telescopic antenna



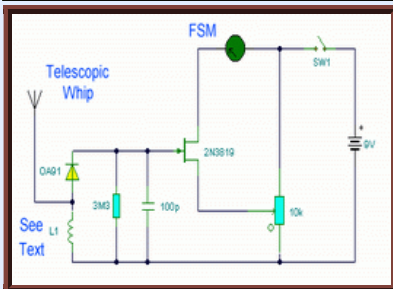
Click over to photo for to see a video about it



## RF field strength meter version 2.

I made a second version. The electronic design i saw from [Here](#).

Here it is a electronic design. I left the old potentiometer 47 kohm and the  $\mu\text{A}$  meter 100  $\mu\text{A}$ .



Here i added this electronic material. One transistor JFET 2N3819, one diode germanium AA119, one cap 100 pF, one resistor 3,3 Mohm, one clip 9 volt battery, one battery 9 volt, one switch on-off, and one inductor over ferrite 1,82  $\mu\text{H}$ .



I use a coil over to ferrite about 1,82  $\mu\text{H}$  (i removed little coil for it is about 1,82  $\mu\text{H}$ )



Here i added a switch on-off, and i put the aerial antenna to other side.



From the other side.



I finish with the soldering iron material.



RF field strength meter, It is ready



Here i make a test with out remote sensor from weather station at frequency 433 Mhz.



Here i make a test with remote control 433 Mhz



Here i make a test with mobile phone 1,8 Ghz.

Click here for you see a video

